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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/565,814	01/24/2006	Francoise Jeannette Harmsze	NL030893	7578

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NXP, B.V.
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EXAMINER

CHERY, MARDOCHEE

ART UNIT	PAPER NUMBER
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2188

NOTIFICATION DATE	DELIVERY MODE
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10/23/2007

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ip.department.us@nxp.com

Office Action Summary

Application No.

10/565,814

Applicant(s)

HARMSZE ET AL.

Examiner

Mardochee Chery

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, .
WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 January 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 24 January 2007 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

1. This Non-Final Office action results from examination and search of claims 1-8 of the instant application filed on January 24, 2006.

Oath/Declaration

2. The Oath/Declaration submitted on January 24, 2006 has been reviewed and considered by Examiner.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 1-8 are rejected under 35 USC 112 second paragraph as lacking antecedent basis for the following limitations:

- a. Claim 1 recites the limitation "the currently processed application" in lines 10-11.
- b. Claim 1 recites the limitation "the processed data" in line 12.
- c. Claim 2 recites the limitation "the required access" in line 5.
- d. Claim 3 recites the limitation "the request" in line 4.
- e. Claim 8 recites the limitation "the processing" in line 10.

There is insufficient antecedent basis for these limitations in the claims.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. Claims 1-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Chang et al. (Performance Analysis and Architecture Evaluation of MPEG-4 Video Codec System; IEEE 2000).

As per claim 1, Chang et al. discloses integrated circuit comprising a plurality of modules (M) for processing applications, each having a local memory (LM) [Fig. 3, *Function Units (FU1-Fun), LM*], said integrated circuit further comprising: a global memory (GM) [Fig. 3, *GM*], which can be shared by said plurality of modules (M) [Fig. 3, *FU1-FUn*]; an interconnected means (IM) for interconnecting said modules (M) and said global memory (GM) [Fig. 3, *Interconnect/system bus*]; and one memory managing unit (MMU) being associated to each of said modules (M) [Fig. 3, *DP1-DPn*], for determining whether said local memory (LM) provides sufficient memory space for the currently processed application and for requesting a global buffer (FB) in said global memory (GM) to be reserved for the processing data of the associated module (M) [Fig. 3, page 450, left column, paragraph 4], if there is insufficient memory space available in the local memory (LM) [page 450, right column, paragraph 2].

As per claim 2, Chang et al. discloses said memory managing unit (MMU) requests a communication path between its associated module (M) and said global memory (GM) [Fig. 3, DP1-DPn, FU1-Fun, page 450, left column, paragraph 4] wherein said communication path having communication properties according to the required access to the global memory (GM) [Fig. 3, *Interconnect/system bus*].

As per claim 3, Chang et al. discloses a resource managing unit (RMU) for allocating memory space in said global memory (GM) according to the request of said memory managing unit (MMU) [Fig. 3, page 450, right column, paragraph 2].

As per claim 4, Chang et al. discloses said resource managing unit (RMU) is adapted for setting a communication path based on communication properties as requested by said memory managing unit (MMU) [Fig. 3, page 450, left column, paragraph 4; page 450, right column, paragraph 2].

As per claim 5, Chang et al. discloses an address translation unit (ATU) associated to each of said modules (M) for performing an address translation for data of an application, which are stored in said global buffer (FB) in said global memory (GM) [page 451, right column, paragraphs 2-4]

As per claim 6, Chang et al. discloses said resource managing unit (RMU) is adapted to perform an access arbitration for said global memory (GM) [page 450, right

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column, paragraph 2].

As per claim 7, Chang et al. discloses said local memory (LM) comprises a prefetch buffer (PB) for prefetching data from said global buffer (FB) [page 450, right column, paragraph 2].

As per claim 8, the rationale in the rejection of claim 1 is herein incorporated.

Conclusion

7. When responding to the office action, Applicant is advised to clearly point out the patentable novelty that he or she thinks the claims present in view of the state of the art disclosed by references cited or the objections made. He or she must also show how the amendments avoid such references or objections. See 37 C.F.R. 1.111(c).

8. When responding to the Office action, Applicant is also advised to clearly point out where support, with reference to page, line numbers, and figures, is found for any amendment made to the claims.


9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mardochee Chery whose telephone number is (571) 272-4246. The examiner can normally be reached Monday to Friday, from 8:30A-5:00P.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hyung Sough can be reached Monday to Friday, at (571) 272-6799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

October 13, 2007


HYUNG SOUGH
SUPERVISOR
10/15/07



Mardochee Chery
Examiner
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